

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090202-B Mode: Highway Status: Submitted

US-52 (New Route - Rockwell Bypass)

From/Cross Street: US 52 South of Rockwell **Specific Improvement Type:** 6 - Widen Existing Roadway

and Construct Part on New Location

To: US 52 North of Rockwell at Granite Quarry Bypass **Project Category:** Statewide Mobility

Length: 3.39 TIP#: R-2903

Fully Funded in Draft STIP? No

Cost to NCDOT: \$51,894,000

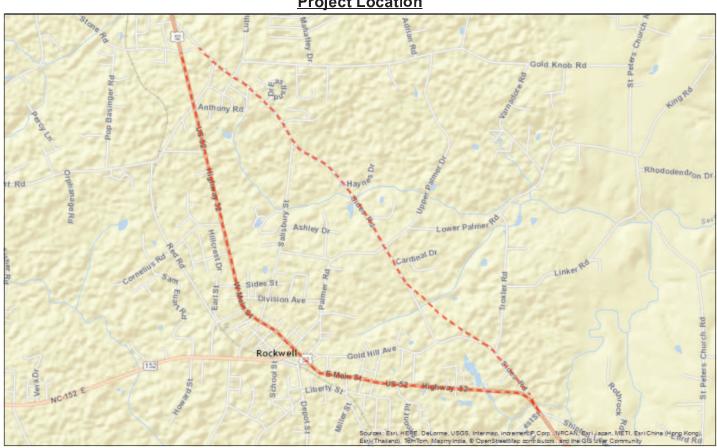
Description:

Construct Multi-Lanes on New Location.

Division(s): Division 9 County(s): ROWAN

MPOS(s)/RPO(s): Cabarrus Rowan MPO

Project Location



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Statewide Mobility Total Score: 19.53

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) Safety (10%) Economic Competitiveness (10%) Multimodal + [Freight & Military] (20%) [Travel Time] Benefit/Cost (30%) Totals: Weight: 100% Weighted Score:	28.64 78.90 13.60 4.37 2.70	N/A	N/A

Regional Impact Total Score: 33.4

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) Safety (10%) [Travel Time] Benefit/Cost (25%) Accessibility / Connectivity (10%) Totals: Weight: 70% Weighted Score	28.64 78.90 2.70 26.71	Percent: 15% Points: 0	Percent: 15% Points: 100

Division Needs Total Score: 14.16

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) Safety (10%) [Travel Time] Benefit/Cost (20%)	28.64 78.90 2.70	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score	e: 14.16		

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Project Data *

Existing Conditions

Existing Cross-Section: Speed Limit: 44 3.6 Length (miles); Facility Type: Arterial Access Control: None Functional Classification: Other Principal Arterial Terrain Type: Rolling Lane Width: 12 Paved Shoulder Width: Roadway has Curb & Gutter? Yes Volume (AADT): 10014.74 24393.79 Capacity: 0.41 Volume/Capacity Ratio: % Autos: 91% % Trucks: 9% Truck Volume: 874.42 87.22 Crash Density: 70.67 Crash Severity: 78.82 Critical Crash Rate: Crash Frequency: 0 0 Severity Index: 2 County Tier Designation: Non-Interstate STRAHNET Νo Route? Average Commuting Time: 20 Existing Median Type (for Undivided Cost Estimation): Pavement Condition Rating: 90 Actual Congested Speed: 42.8 Travel Time Index: 1.03

Project Benefits

4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
55
3.39
Multi-Lane Highway
Partial
Other Principal Arterial
Rolling
12
4
6155794.29
5618308.39
537485.9
108
0.00016391
No
Yes
No
Division 9

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^{*} Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership

Division

Division	Percent	Regional Impact	Division Needs
Division 9	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cabarrus Rowan MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$32,433,000	Cost Estimation Tool
Right-of-Way Cost:	\$17,376,000	Cost Estimation Tool
Utilities Cost:	\$2,085,000	Cost Estimation Tool
Total Project Cost:	\$51,894,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$51,894,000	

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